| Ref<br>#  | Hits | Search Query                                                                                    | DBs                                                     | Default<br>Operator | Plurals | Time Stamp       |
|-----------|------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|------------------|
| L1        | 91   | (via near plug) same (plasma same deposit\$3)                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 11:24 |
| 1.2       | 20   | 1 same (etch\$3 same trench)                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 11:17 |
| L3        | 29   | (via near plug) same ((etch\$3 same polymerizat\$3 or deposit\$3) same (cyclic or alternat\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 11:27 |
| S1        | 63   | (via near plug) same polymer                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 11:16 |
| <b>S2</b> | 30   | S1 same etch\$3                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/10 20:32 |
| <b>S3</b> | 13   | S2 same damascene                                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/10 20:33 |
| S4        | 6    | (("5501893") or ("6187685") or<br>("6261962")).PN.                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/11 17:00 |
| S5        | 46   | (via adj plug\$3) same (plasma<br>near5 deposit\$3)                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/11 16:06 |
| S6        | 12   | S5 and (trench same etch\$3)                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/11 16:18 |
| <b>S7</b> | 34   | S5 not S6                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/11 16:30 |

| S8         | 2     | ("6057239").PN.                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 16:36 |
|------------|-------|-------------------------------------------------------------------------|------------------------------------------------------------|----------|-----|------------------|
| S9         | 0     | ("10/138041").CCLS.                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 16:36 |
| S10        | 1     | ("0138041").PN.                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 16:36 |
| S11        | 20    | "138041"                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 16:37 |
| S12<br>S13 | 13    | "138041"<br>"10/138041"                                                 | US-PGPUB;<br>USPAT<br>US-PGPUB;<br>USPAT                   | OR<br>OR | OFF | 2005/01/11 16:38 |
| S14<br>S15 | 2     | "10138041"<br>("6794293").PN.                                           | US-PGPUB;<br>US-PGPUB;<br>US-PAT;<br>EPO; JPO;<br>DERWENT; | OR<br>OR | OFF | 2005/01/11 16:38 |
| S16        | 10177 | ((fill\$3 or deposit\$3 or coat\$3) same via) same plasma               | IBM_TDB  US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB       | OR       | OFF | 2005/01/11 18:31 |
| S17        | 509   | S16 same damascene                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 17:42 |
| S18        | 209   | S17 same (trench same etch\$3)                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 17:43 |
| S19        | 96    | ((fill\$3 or deposit\$3 or coat\$3)<br>same (via adj plug)) same plasma | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB    | OR       | OFF | 2005/01/11 18:34 |

| S20 | 25 | S19 same trench                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF   | 2005/01/11 18:32 |
|-----|----|----------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|-------|------------------|
| S21 | 9  | ((fill\$3 or deposit\$3 or coat\$3)<br>same (via adj plug)) same (plasma<br>same spin adj coat\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF   | 2005/01/11 18:35 |
| S22 | 5  | (polymer\$3 same (via adj plug))<br>same (plasma same spin adj<br>coat\$3)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF . | 2005/01/11 18:36 |
| S23 | 2  | kang-sean-s.in.                                                                                    | US-PGPUB;<br>USPAT                                      | OR | OFF   | 2005/01/11 18:38 |
| S24 | 2  | lee-sangheon.in.                                                                                   | US-PGPUB;<br>USPAT                                      | OR | OFF   | 2005/01/11 18:39 |
| S25 | 3  | chen-wan-lin.in.                                                                                   | US-PGPUB;<br>USPAT                                      | OR | OFF   | 2005/01/11 18:41 |
| S26 | 11 | ((in adj situ) same plug) same fill\$3                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF   | 2005/01/11 18:41 |

| Ref<br># | Hits | Search Query                                                                                                       | DBs                                                     | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|------------------|
| L1       | 45   | (via near3 plug) same ((etch\$3 same polymerizat\$3 or deposit\$3) same (cyclic or alternat\$3))                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 13:52 |
| L2       | 30   | 1 and (semiconductor with device)                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 13:46 |
| L3       | 4504 | ((via or hole or groove) same fill\$3)<br>same ((spin adj coat\$3) same<br>plasma or "cvd")                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 13:58 |
| L4       | 847  | 3 same (plug)                                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 13:54 |
| L5       | 26   | 4 same (trench same etch\$3)                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 13:57 |
| L6       | 4467 | ((via or hole or groove) same fill\$3) same ((spin adj coat\$3) same chemical adj vapor adj deposition or "cvd")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 14:02 |
| L7       | 302  | 6 same (trench same etch\$3)                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 14:00 |
| L8       | 4    | 7 same (via with plug)                                                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 14:01 |
| L9       | 70   | ((via or hole or groove) same fill\$3) same ((spin adj coat\$3) same (chemical adj vapor adj deposition or "cvd")) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 14:12 |
| L10      | . 16 | 9 and (trench same etching)                                                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2005/01/12 14:05 |

| L11 | 63 | ((via or trench) same fill\$3) same<br>((spin adj coat\$3) same (chemical<br>adj vapor adj deposition or "cvd")) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT; | OR | OFF | 2005/01/12 14:13 |
|-----|----|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----|-----|------------------|
|     |    |                                                                                                                  | IBM_TDB                                      |    |     |                  |